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SEQUENCE ALIGNMENT ...

1020 JP81 FDFIVRYFFRALTVLTLLGLHGLVLLPVLLSILGPPPBVIGMYKESPBILSPRAPQGGG 1140 721 TKBHAFLSAQLRYFSLYEVALVTQGGFDYAHSQRALFDLHQRFSSLKAVLPPPATQAPRT 780 601 QAFTHCEASSQHVVTILPPQAHLVPPPSDPLGSELFSPGGSTRDLLGQEBETRQKAACKØ 660 781 WLHYYRNWLQOLQAAFDQDWASGRITRHSYRNGSEDGALAYKLLIQTGDAQEPLDFSQLT 781 WLHYYRNWLQGIQAARDODWASGRITRHSYRNGSEBGALAYKLLIQTGDAQEPLDFSQLT 841 TRKLVDREGLI PPELEYMGLTVWVSSQFLGLAASQANFYPPPPEMLHDKYDTTGENLRIP 841 TRKLVDREGLIPPELFYMOLTVWVSSDPLGLAASQANFYPPPPEWLHDKYDTTGENLRIP [EGARAACAEAGQAGVHAYPSGSPFLFWEQYLGL PFIVRYFFAALTVLTLLGLLHGLVLLPVLLSILGPPPEVIOMYKESPENLSPAPOGGG Mus musculus (Mouse). Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus LPCARWNLAHFARYQFAPLLLQSHAKAIVLVLFGALLGLSLYGATLVQDGLALTD Takeshima K.; "Hedgehog and patched gene expression in adult ocular tissues."; "Hedgehog and patched gene expression in adult ocular tissues."; FEBS Lett. 410:485-489(1997). PEDLINE=98122566; PubMed=9462734; MEDLINE=98122566; PubMed=9462734; Motoyama J., Takabatake T., Takeshima K., Hui C.-C.; "Ptch2, a second mouse Patched gene is co-expressed with Sonic Takabatake T., Ogawa M., Takahashi T.C., Mizuno M., Okamoto M., 30-MAY-2000 (Rel. 39, Created) 30-MAY-2000 (Rel. 39, Last sequence update) 65-JUL-2004 (Rel. 44, Last annotation update) Patched protein homolog 2 (PTC2). PAOPLEPAOFPFLLRGLOKTADEVE SEQUENCE OF 196-446 FROM N.A. STRAIN-BALB/c; TISSUE-Neuroretina; MEDLINE-97379366; PubMed=9237688; [1] SEQUENCE FROM N.A. 1201 ATG 1203 1201 ATG 1203 NCBI_TaxID=10090; PTC2 MOUSE ID PTC2 MOUSE AC 035595; 901 1081 ઠે a ઠ ద δ ያ ያ 셤 셤 요 ઠે ठे Š g Ś 180 180 240 240 300 360 360 420 540 OAFTHCEASSOHVVIILPPOAHLVPPSDPLGSELFSPGGSTRDLLGOERETROKAACKS 660 361 QLAQEALPENASQIHAFSSTTLDDILHAFSSVSARVVGYLLMLAYACVTMLANDCAQ 420 480 480 540 VPVGIAHLTATV 600 GTVPVGIAHLTATV 600 9 9 WGASSSLPQSPARVTTSMTVAIHPPPLPGAYIHPAPPEPPW SPAATSSGNLSSRGPGPATG -> PEEI (in ispform SKVQVSLYGKSWDLNKICYKSGVPLIENGMIERMIEKL 241 AQVGQAYVGRPCLHPDDLHCPPSAPNAHHSRQAPNVAHELSGGCHGPSHKFMHWQRELLLG 301 GMARDPQGELLRAEALOSTFLLMSPROLYRHPRGDYQTHDIGWSEEQASTVLQAWQRRFV 391 QLAQEALPENASQQIHAPSSTTLDDILHAFSBVRAARVVGGYLLMLAYACVTMLRWDCAQ QEGENILTPEALGIÁLQAALTASKVQVSLYGKSWDLNKICYKSGVPLIENGMIEMIEKL (LPFLALGIGVDDVFLLAHAFTE PALRAFSLOAAIVVGCTFV Gaps ö DB 1; Length 1203; 1; Indels 4FABØ6999782C031_CRC64; 541 AVMLVPPAILSLDLRRRHCQRLDVLCCFSSPCSAQVIQILPQEL 481 ALPGTPLOERMGECLORTGTSVVLTSINNMAAFLMAALVPI 3 -> K. /FTId=VAR_018936. FT1d=VAR_018937. T -> M. /FTId=VAR_018938. V -> M 3 -> Q. /FIId=VAR_018935. FTIG=VSP_004542. V -> M. /FTId=VAR_018939. SOGSVGLAGVLLVALAVASGLGLCALLGITFNAATT ; Score 6258; DB ; Pred No. 0; 0; Msmatches Z132001006

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                                                                                                                   This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
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N-linked (GlcNAc. . .) (Potential).
W; 715233D912C352F2 CRC64;
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                        -1- SUBCELLULAR LOCATION: Integral membrane protein.
-1- TISSUE SPECIFICITY: Expressed in epithelial cells of the developing hair, tooth and whisker.
-1- DEVELOPEENTAL STRGE: Detected in 8.5 to 17.5 dpc embryos.
-1- SIMILARITY: Belongs to the patched family.
-1- SIMILARITY: Contains 1 sterol-sensing (SSD) domain.
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Cytoplasmic (Potential).
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InterPro; IPR003392; Patched.
InterPro; IPR004766; Patchedtm_recept.
InterPro; IPR000731; SSD_STM.
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receptor for Sonic hedgehog (SHH).
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PROSITE; PS50156; SSD; 1.
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PIR; T13952; T13952.
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